

City of La Porte Water Sources

7 ground water wells / Gulf Coast Water Aquifer City of Houston Southeast Water Purification Plant / Trinity River

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, color, or odor of your drinking water, please contact the City of La Porte Public Works Department.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information on contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline. 1-800-426-4791

In the water loss audit submitted to the Texas Water Development Board for the time period Jan-Dec 2013, our system lost an estimated 14.4 percent. This accounts for leaks and unmetered uses. If you have any questions about the water loss audit please call (281) 471-9650. Please assist us by reporting all water leaks promptly!

La Porte City Council Meetings Second and Fourth Monday of each Month at 6:00 P.M.

En Espanol - Este reporte incluye la informacion importante sobre el agua para tomar. Para asistancia en Espanol, favor de lamar al telefono (281) 471-9650.

The TCEQ completed an assessment of your source waters and results indicate some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detection of these contaminants will be found in this Water Quality Report. More information about source water assessment and protection efforts can be found at http://www.epa.gov/safewater/protect.html or contact the Public Works Department at (281) 471-9650 or www.laportetx.gov.

City of La Porte Water Quality Report for 2013

The City of La Porte's drinking water is monitored and tested in accordance with State and Federal regulations, and meets or exceeds all Texas Commission on Environmental Quality and Environmental Protection Agency requirements.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases radioactive material. It can also pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

Microbial Contaminants, such as viruses or bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic Contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Organic Contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, storm water, and septic systems.

Pesticides and Herbicides, which may come from a variety of sources, such as agriculture, urban storm water runoff and residential uses.

Radioactive Contaminants, which can be naturally-occurring or be the result of oil and gas production or mining activities.

DEFINITIONS

ppm - parts per million (equal to milligrams per liter)

ppb - parts per billion (equal to micrograms per liter)

pCi/l - picocuries per liter (a measure of radioactivity)

NTU - Nephelometric Turbidity Units (a measure of turbidity)

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or suspected risk to health. MCLG's allow for a margin of safety. **Action Level** - The concentration of a contaminant, which if exceeded, triggers treatment or other requirements which a water system must follow.

Coliform Bacteria - A group of bacteria found in the air, soil and in plants. Water of satisfactory bacteriological quality must be free of coliform organisms. Fecal coliform indicates a serious health concern since these are associated with sewage and animal wastes.

90th Percentile - A calculation method used to determine the 90% value in a range of sample results.

Special Notice for the Elderly, Infants, Cancer Patients, people with HIV/AIDS or other immune problems:

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immuno-compromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline at (800) 426-4791.

The table on the reverse side will show the amounts in which some contaminants were found in the drinking water. No maximum contaminant level was exceeded and there were no violations of drinking water standards. All data presented is from the most recent testing done in accordance with the regulations.

City of La Porte Water Quality Report for 2013

Year							
	Constituent	Highest Level at any Sampling Point	Range of Detected Levels	MCL	MCLG	Unit of Measure	Possible Source of Constituent
2011 / 201	13 Barium	0.1330	0.0501 0.1330	2	2	ppm	Discharge of drilling wastes, metal refinerie and erosion of natural deposits
2011 / 201	13 Fluoride	1.2300	0.5500 - 1.2300	4	4	ppm	Water additive which promotes strong teeth Erosion of natural deposits; discharge from fertilizer and aluminum factories
2013	Nitrate	0.6100	0.2500 - 0.6100	10	10	ppm	Erosion of natural deposits; runoff from fertilizer use and leaching from septic tanks
2013	Nitrite	0.0300	0.0000 - 0.0300	1	1	ppm	Erosion of natural deposits; runoff from Fertilizer use and leaching from septic tank
2011	Gross Beta Emitters	5.6	0.0 - 5.6	*50	0	pCi/L	Decay of natural and man-made deposits
	* The MCL for beta part	icles is 4 mrem per	year. The EPA conside	ers 50 p	oCi/L to I	be the lev	el of concern for beta particles.
rganics							
Year	Constituent	Highest Average of any Sampling Point	Range of Detected Levels	MCL	MCLG	Unit of Measure	Possible Source of Constituent
2013	Atrazine	0.3100	0.1900 - 0.3100	3	3	ppb	Runoff from herbicide used on row crops
2013	Simazine	0.1500	0.1100 - 0.1600	4	4	ppb	Runoff from herbicide used on row crops
2013	Di(2-ethylhexyl) phthalate	1.0667	0.0000- 2.0000	6	0	ppb	Discharge from rubber and chemical factor
isinfection	By—Products						
Year	Constituent	Average of all Sampling Points	Range of Detected Levels	MCL	MCLG	Unit of Measure	Possible Source of Constituent
2013	Total	23.64	16.30 -	80	0	ppb	By-product of drinking water chlorination
	Trihalomethanes		33.80			• • •	,,
2013	Total Haloacetic Acids	18.02	13.20 - 21.60	60	0	ppb	By-product of drinking water chlorination
ead and Co							
Year	Constituent	The 90th	Number of Sites		Action	Unit of	Possible Source of
		Percentile	Exceeding Action Level		Level	Measure	Constituent
2012	امما		1*		15		
primarily from	m materials and compone	ents associated with	service lines and hom	e plum	bing. Th	is water s	Erosion of natural deposits; Corrosion of household plumbing systems; leaching fror wood preservatives nd young children. Lead in drinking water is upply is responsible for providing high quality.
2013 If present, e primarily fror drinking wate minimize concerned ab you can	Copper elevated levels of lead ca m materials and compone er, but cannot control the the potential for lead expout lead in your drinking take to minimize exposur	0.435 In cause serious hea ents associated with variety of materials bosure by flushing you water, you may wish e is available from t	0 alth problems, especial service lines and hom used in plumbing com, our tap for 30 seconds to have your water te he Safe Drinking Wate	e plum conent to 2 m sted. Ir r Hotlir	1.3 regnant bing. Th s. When inutes be nformation	ppm women a is water s your wate efore usin on on lead ottp://www	household plumbing systems; leaching from wood preservatives and young children. Lead in drinking water is supply is responsible for providing high qualities has been sitting for several hours, you can go water for drinking or cooking. If you are if in drinking water, testing methods, and step in drinking water flead. * You may visit
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Public Works Department

Providing essential public services to the citizens of La Porte in the most efficient and cost effective manner possible.

April 21, 2014

For: **Posting on City Website**

From: David Mick, Public Works Director

RE: 2013 Water Quality Report

Thank you for your interest in the City of La Porte 2013 Water Quality Report. In 2014 the City of La Porte continues to be designated by the State of Texas as a "Superior Public Water System". This is the highest rating given by the state.

Hundreds of water samples are taken throughout any year and our customers will note that all of the 2013 water sampling results are within the desirable ranges established by the Texas Commission on Environmental Quality (TCEQ) for the constituent tested with a single exception found under the Lead and Copper section on the second page of the report. One site of 30 tested higher than the 15 parts per billion (ppb) for lead established as the "action level" by TCEQ. A few notes related to this result:

- From the US Environmental Protection Agency: Lead in drinking water is primarily from materials and components associated with service lines and home plumbing rather than components in the public portion of the water system.
- The samples that were tested for lead and copper were collected by residents from a faucet inside of their residence.
- There was <u>no trace</u> of lead found in 13 (of 30) samples throughout the city.
- The 90-percentile result for lead (27th highest out of the 30 tests) was 3.4 part per billion (ppb) well below the 15 ppb TCEQ action level.
- The one high test result was far enough out of range with the other 29 results (and the follow up tests to date) that the most likely explanation for the result in staff's opinion is that there was an error either in the sample collection, testing, or recording of the results. Certainly the Public Works Department will continue to sample and monitor the water as necessary for any public water system.
- No action is required by TCEQ. The TCEQ standard is that a minimum of 90% of the lead sampling results fall below the action level. For 2013, 97% of the test results were below the action level for lead including the sample in question.

Thank you again. Please feel free to contact Ray Mayo, Assistant Water/Wastewater Superintendant at (281)471-9650 if you would like additional information regarding the 2013 Water Quality Report.